

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123606.D
 Acq On : 16 Apr 2021 22:54
 Operator : JU/CG
 Sample : M2048-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0

Quant Time: Apr 17 01:26:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

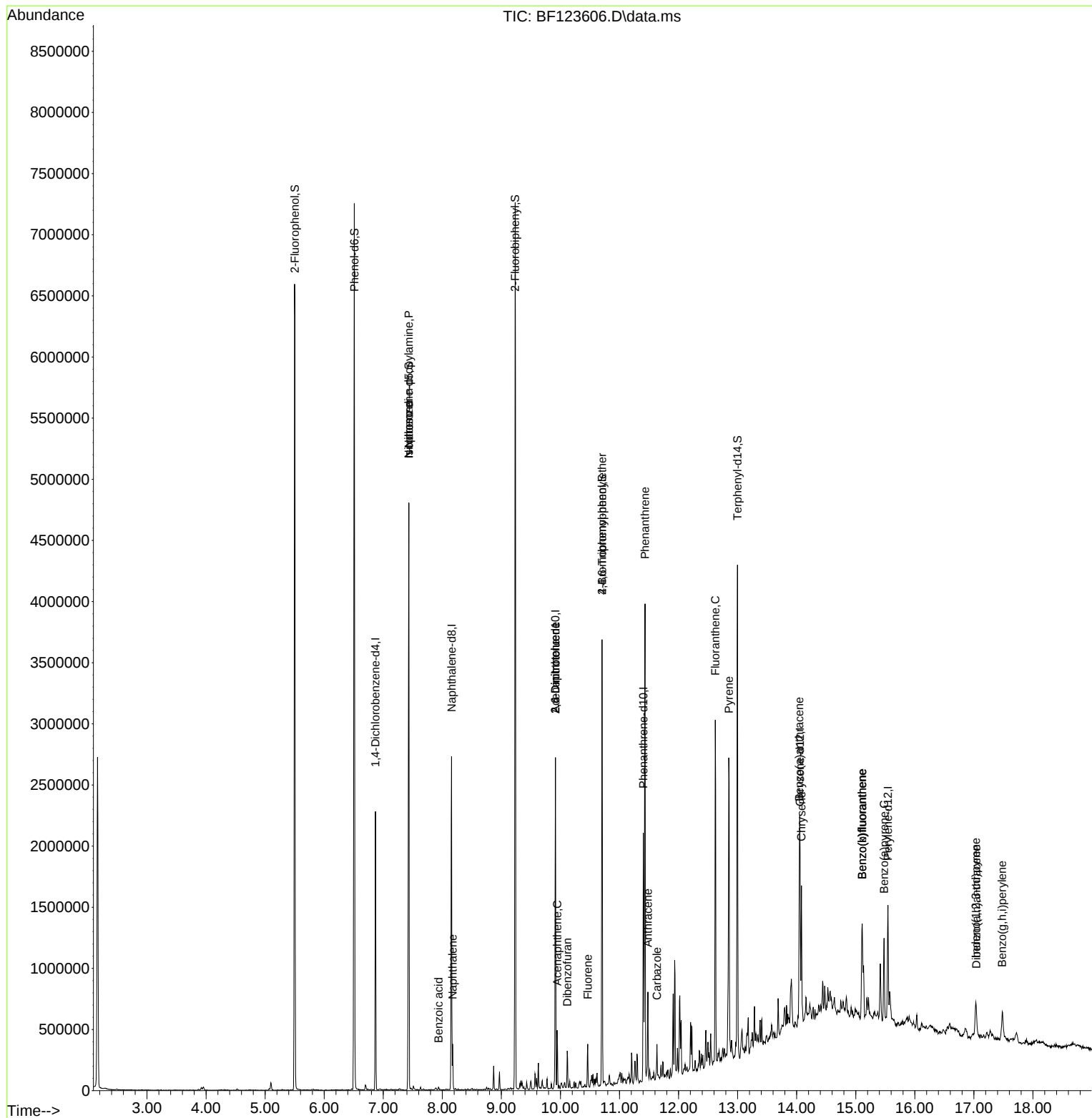
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	261712	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	1012014	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	471217	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	702969	20.00	ng	0.00
76) Chrysene-d12	14.057	240	428432	20.00	ng	0.00
86) Perylene-d12	15.545	264	415440	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1530449	94.52	ng	0.02
7) Phenol-d6	6.510	99	1998977	89.09	ng	0.01
23) Nitrobenzene-d5	7.434	82	1392877	63.27	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	366174	68.62	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2032843	64.31	ng	0.00
79) Terphenyl-d14	12.998	244	1230694	55.83	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	187623	12.62	ng	# 73
25) Isophorone	7.434	82	1388775	32.52	ng	# 69
31) Naphthalene	8.175	128	126137	2.42	ng	97
32) Benzoic acid	7.939	122	1161	4.65	ng	# 8
51) 2,6-Dinitrotoluene	9.916	165	59851	8.37	ng	# 11
52) Acenaphthene	9.945	154	88523	3.04	ng	94
55) Dibenzofuran	10.116	168	84172	2.01	ng	98
57) 2,4-Dinitrotoluene	9.916	165	59851	6.27	ng	# 17
58) Fluorene	10.463	166	83760	2.55	ng	97
67) 4-Bromophenyl-phenylether	10.704	248	21133	2.88	ng	# 1
71) Phenanthrene	11.433	178	1317958	35.92	ng	100
72) Anthracene	11.480	178	231622	6.32	ng	98
73) Carbazole	11.633	167	89182	2.44	ng	99
75) Fluoranthene	12.621	202	1080457	26.80	ng	100
78) Pyrene	12.851	202	1095723	35.04	ng	99
81) Benzo(a)anthracene	14.045	228	404592	15.41	ng	99
83) Chrysene	14.080	228	435792	16.53	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	185282	8.36	ng	98
88) Benzo(b)fluoranthene	15.110	252	596876	20.35	ng	# 98
89) Benzo(k)fluoranthene	15.110	252	596876	21.90	ng	99
90) Benzo(a)pyrene	15.480	252	334206	14.32	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	47487	2.53	ng	# 81
92) Benzo(g,h,i)perylene	17.480	276	183471	12.03	ng	97

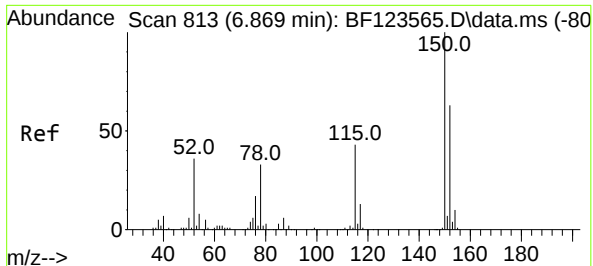
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SB-01-0-2.0

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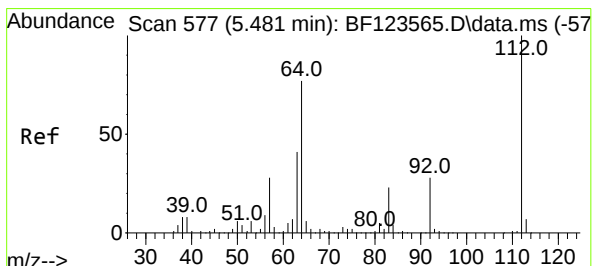
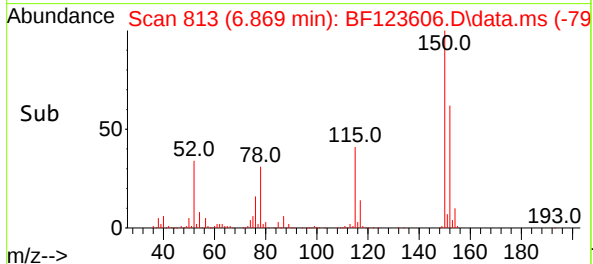
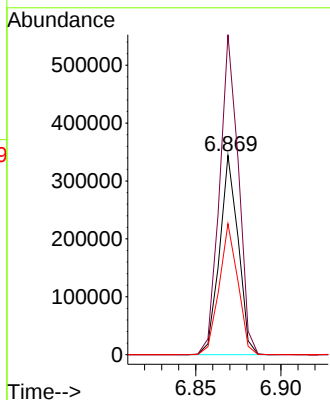
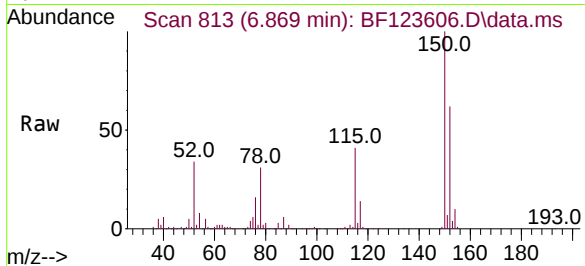




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

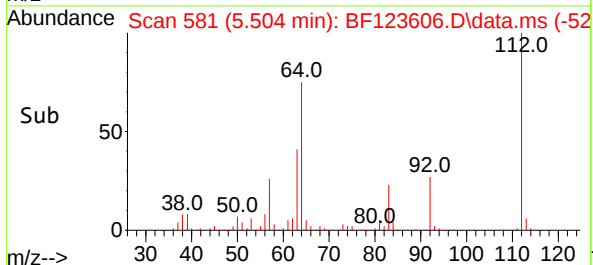
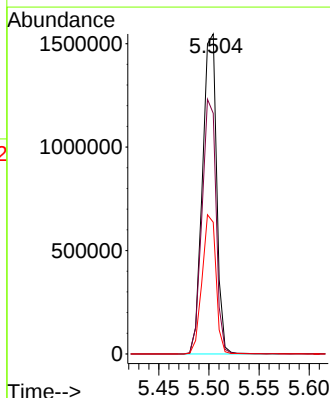
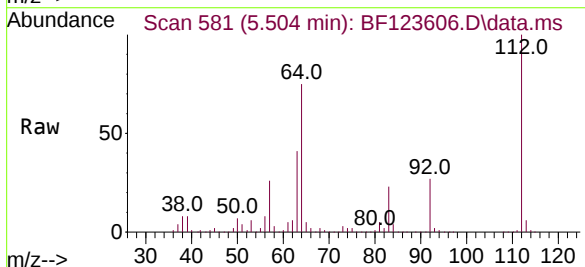
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

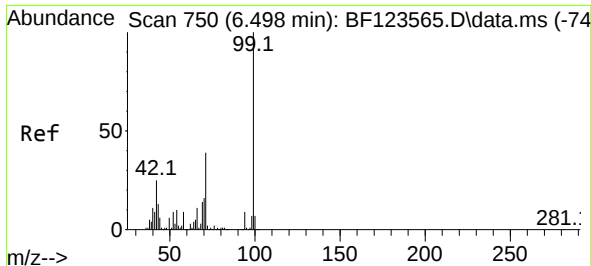
Tgt Ion:152 Resp: 261712
Ion Ratio Lower Upper
152 100
150 160.5 127.0 190.6
115 65.7 54.3 81.5



#5
2-Fluorophenol
Concen: 94.52 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.024 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:112 Resp: 1530449
Ion Ratio Lower Upper
112 100
64 75.2 61.4 92.0
63 41.2 33.0 49.4

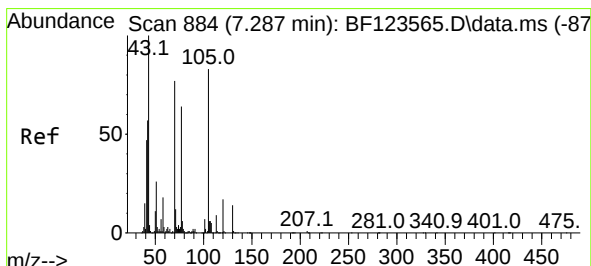
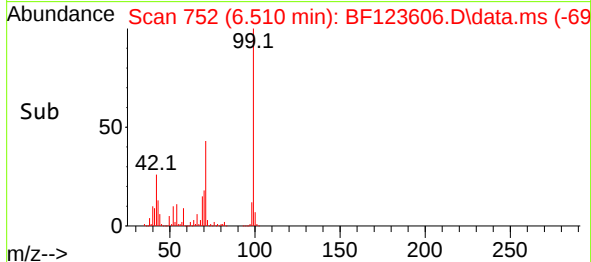
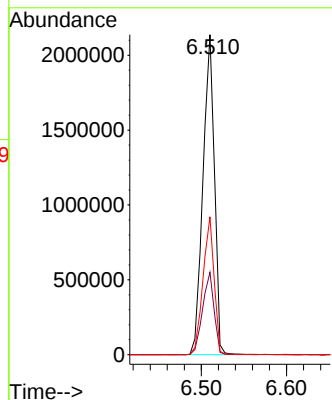
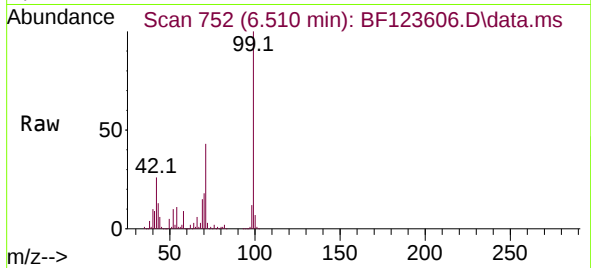




#7
Phenol-d6
Concen: 89.09 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.012 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

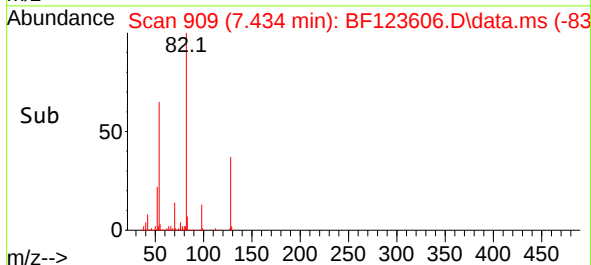
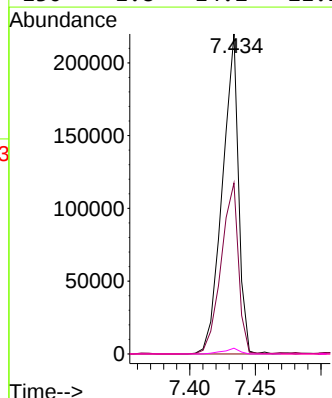
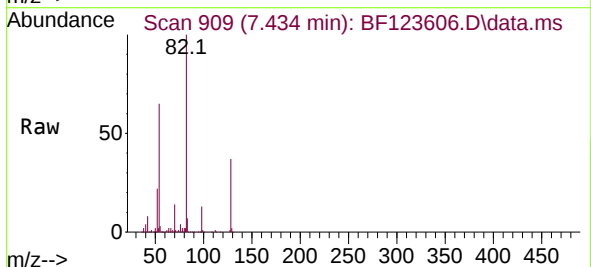
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

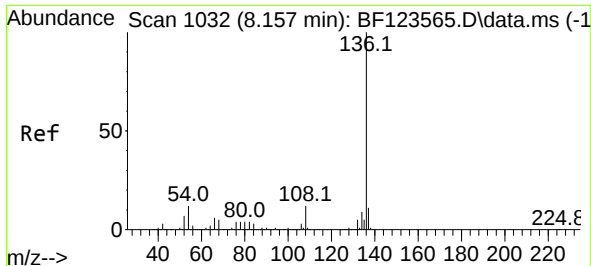
Tgt Ion: 99 Resp: 1998977
Ion Ratio Lower Upper
99 100
42 25.8 19.8 29.8
71 43.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.62 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion: 70 Resp: 187623
Ion Ratio Lower Upper
70 100
42 53.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



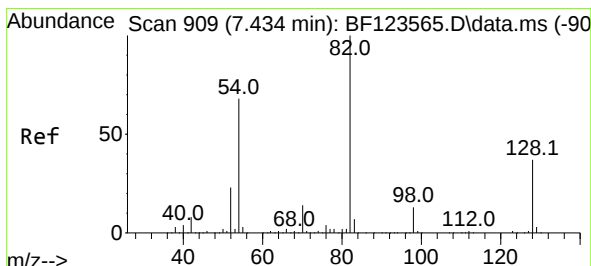
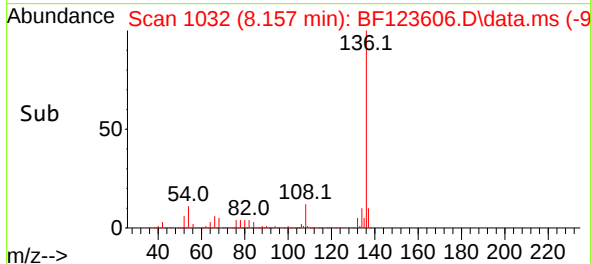
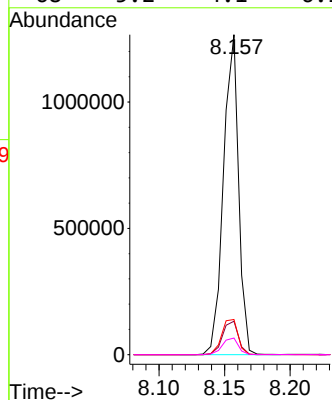
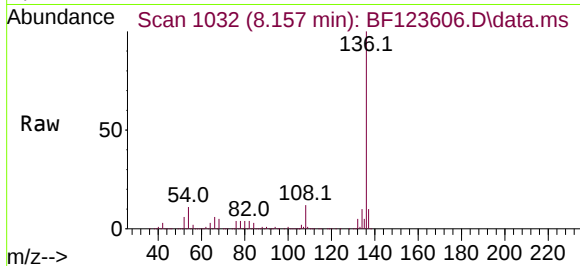


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

Tgt Ion:136 Resp: 1012014

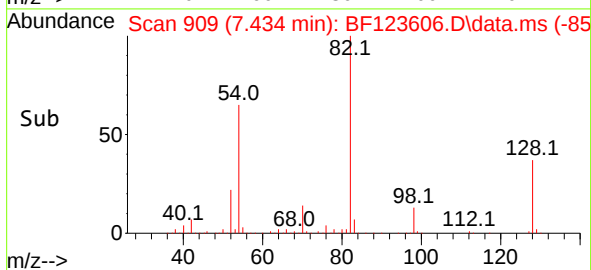
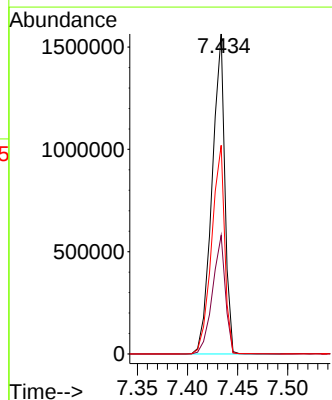
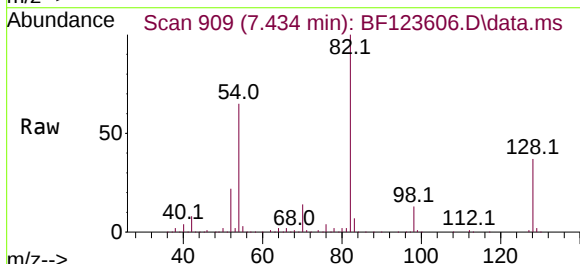
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	11.0	9.8	14.6
68	5.2	4.1	6.1

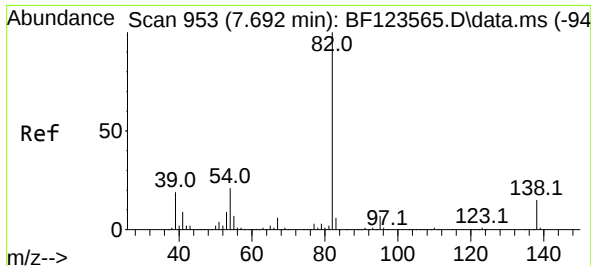


#23
Nitrobenzene-d5
Concen: 63.27 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion: 82 Resp: 1392877

Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.4	44.2
54	65.2	54.1	81.1

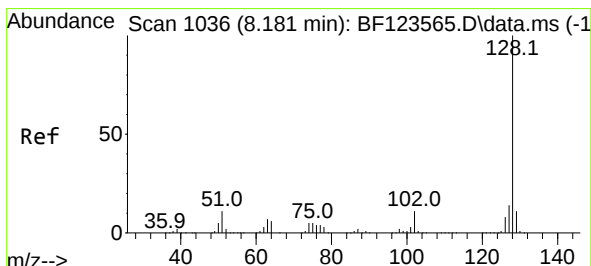
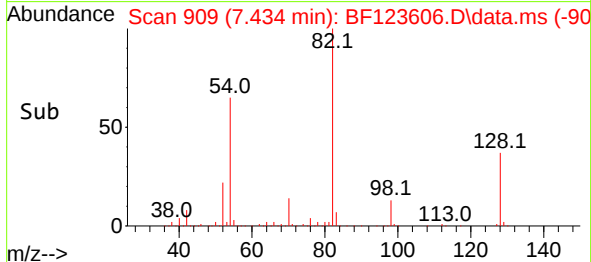
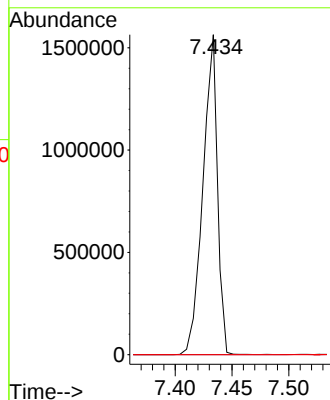
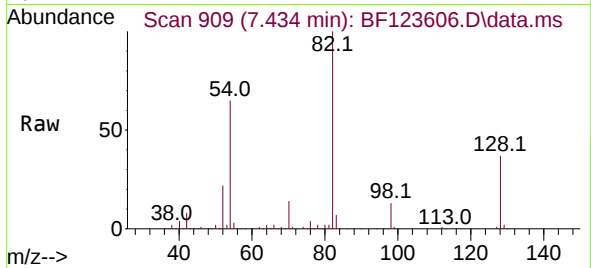




#25
Isophorone
Concen: 32.52 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

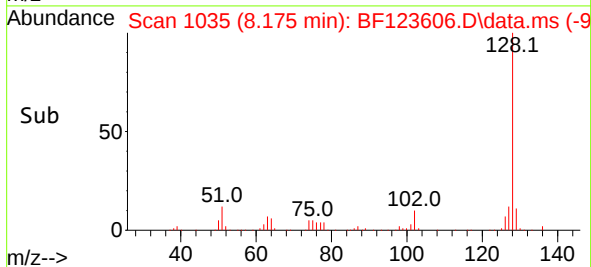
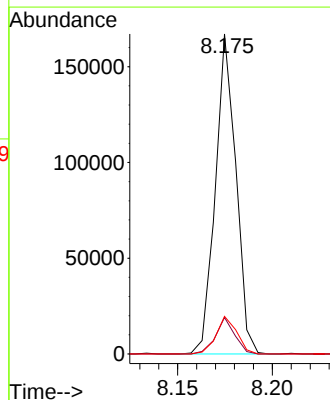
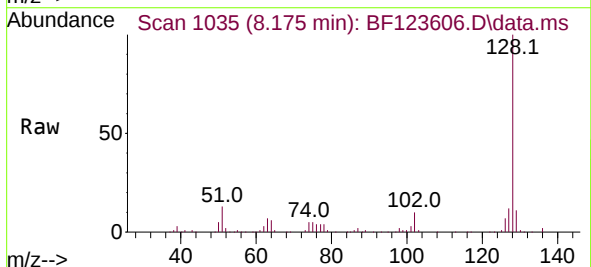
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

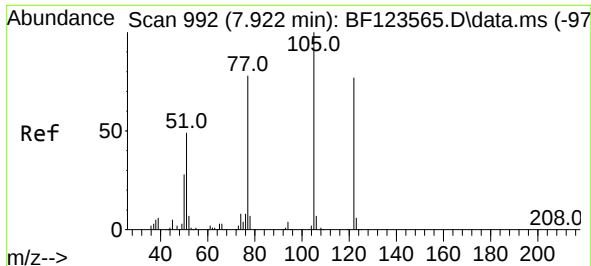
Tgt Ion: 82 Resp: 1388775
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 2.42 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion: 128 Resp: 126137
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 11.7 10.8 16.2

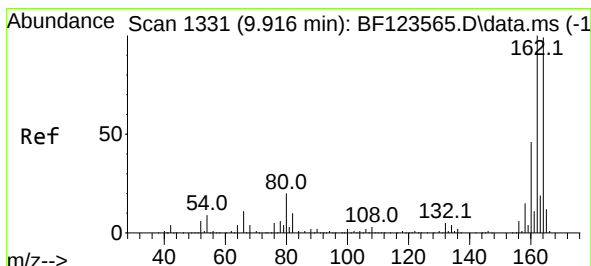
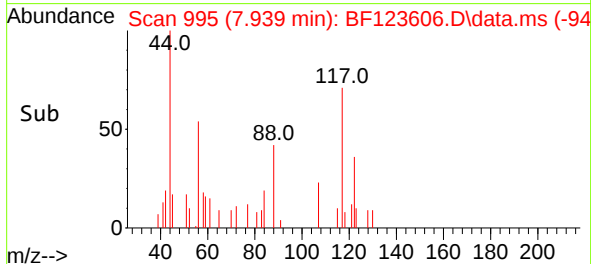
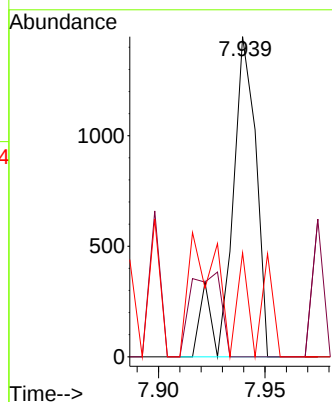
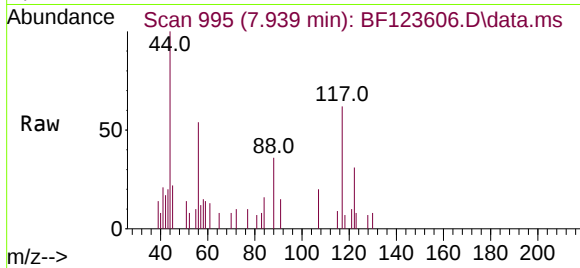




#32
Benzoic acid
Concen: 4.65 ng
RT: 7.939 min Scan# 995
Delta R.T. 0.018 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

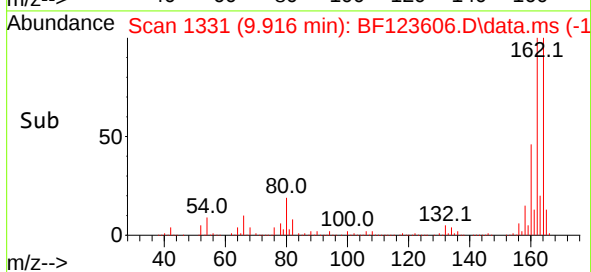
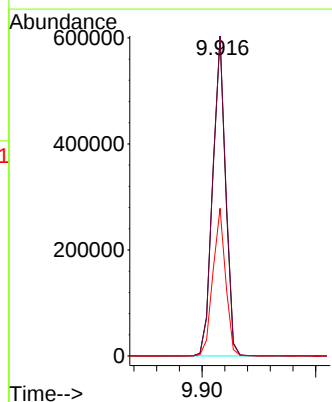
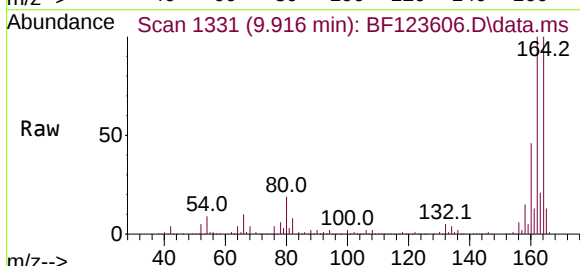
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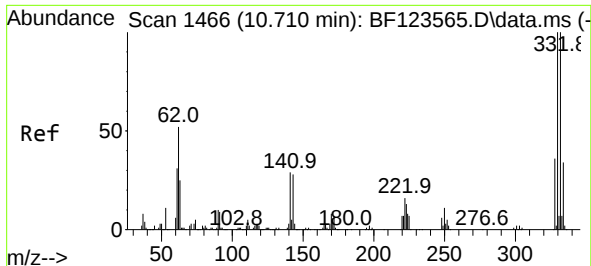
Tgt Ion:122 Resp: 1161
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 32.5 81.6 121.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:164 Resp: 471217
Ion Ratio Lower Upper
164 100
162 100.0 80.7 121.1
160 46.2 37.3 55.9

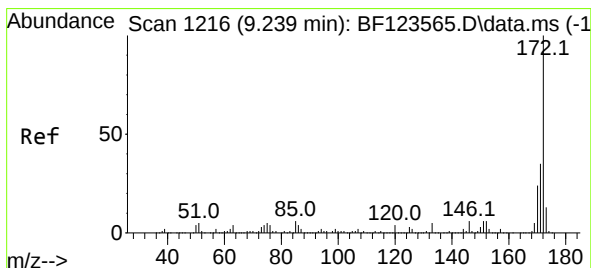
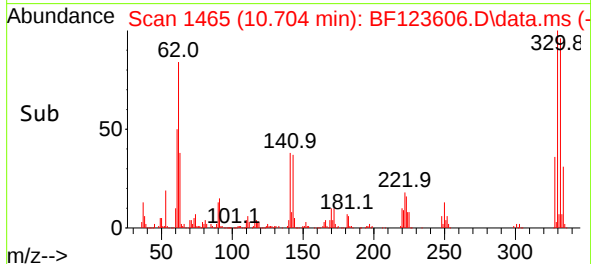
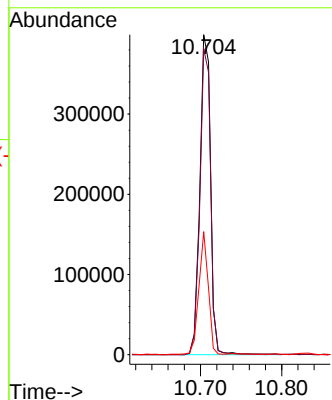
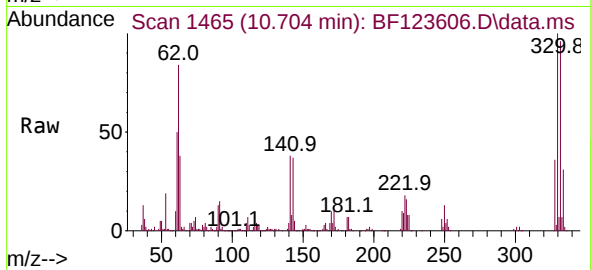




#42
2,4,6-Tribromophenol
Concen: 68.62 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

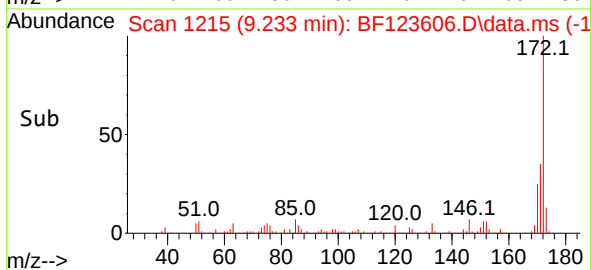
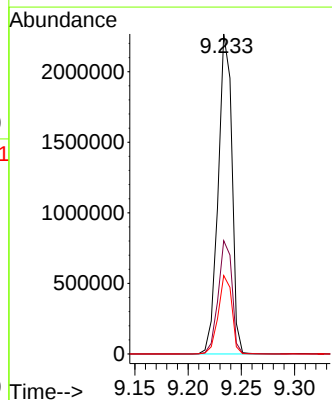
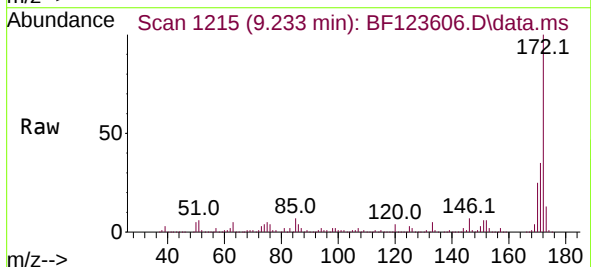
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

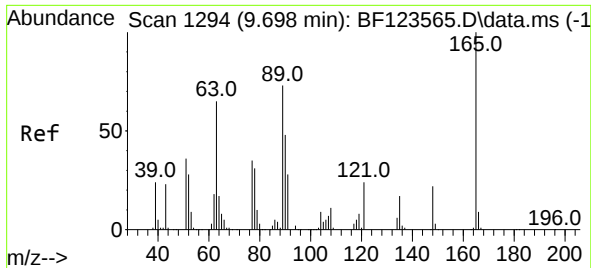
Tgt Ion: 330 Resp: 366174
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 34.3 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 64.31 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion: 172 Resp: 2032843
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.5 19.2 28.8

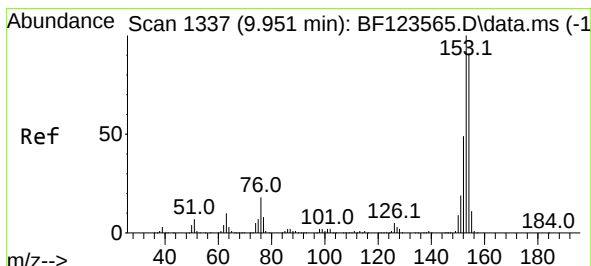
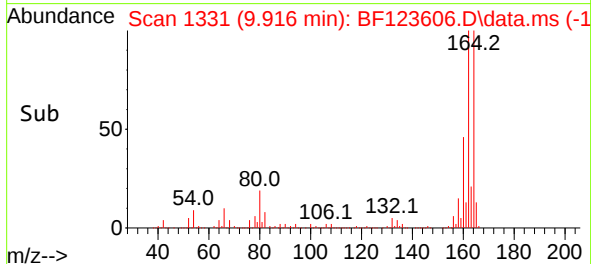
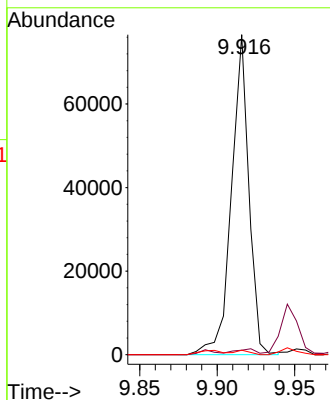
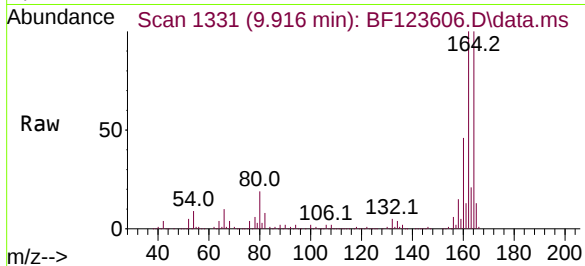




#51
2,6-Dinitrotoluene
Concen: 8.37 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

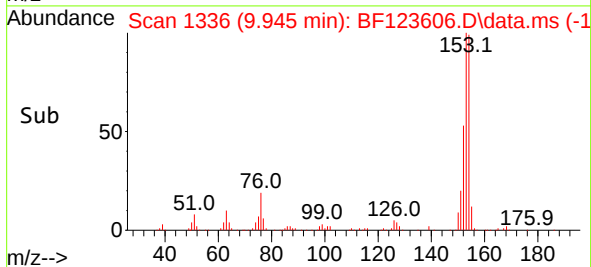
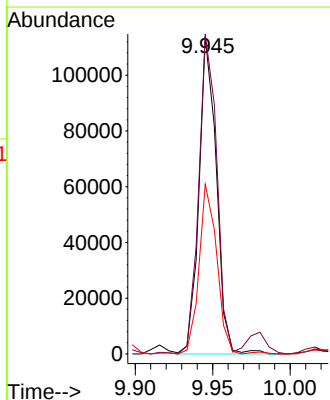
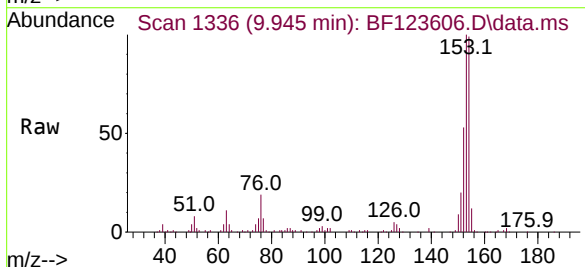
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

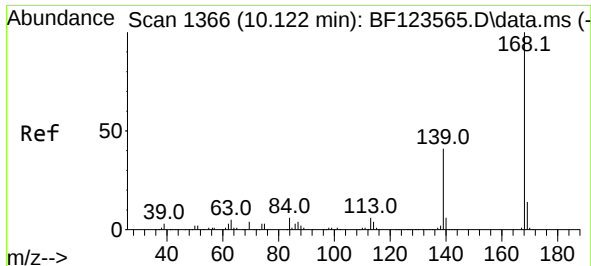
Tgt Ion:165 Resp: 59851
Ion Ratio Lower Upper
165 100
63 1.4 67.7 101.5#
89 1.4 58.8 88.2#



#52
Acenaphthene
Concen: 3.04 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:154 Resp: 88523
Ion Ratio Lower Upper
154 100
153 100.8 88.1 132.1
152 53.5 43.4 65.0

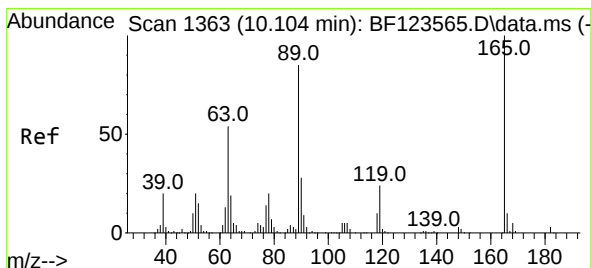
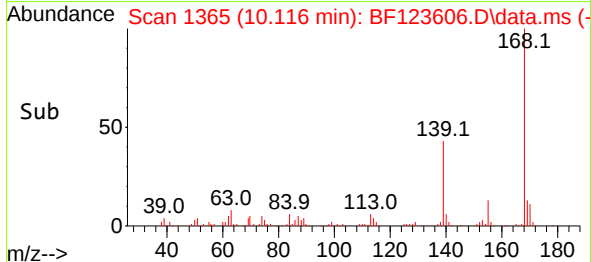
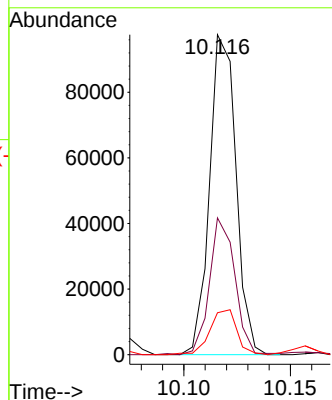
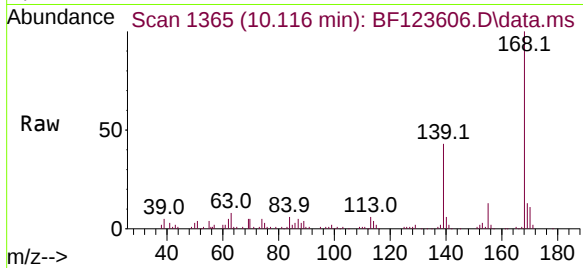




#55
Dibenzenofuran
Concen: 2.01 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

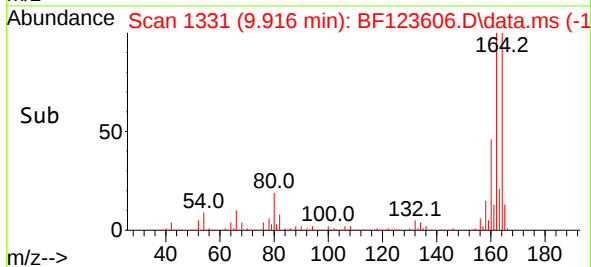
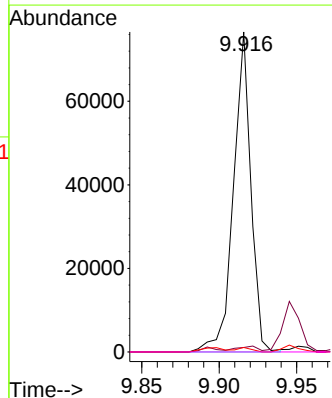
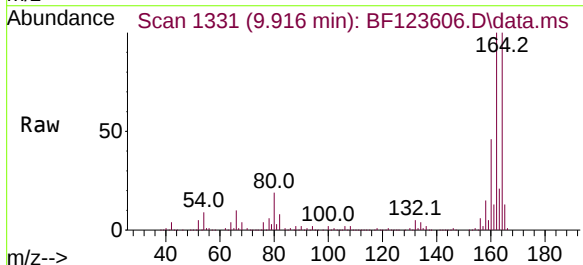
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

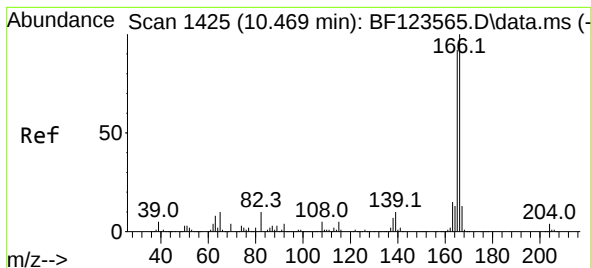
Tgt Ion:168 Resp: 84172
Ion Ratio Lower Upper
168 100
139 42.8 33.2 49.8
169 13.1 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 6.27 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:165 Resp: 59851
Ion Ratio Lower Upper
165 100
63 1.4 43.5 65.3#
89 1.4 67.7 101.5#
182 0.0 2.1 3.1#

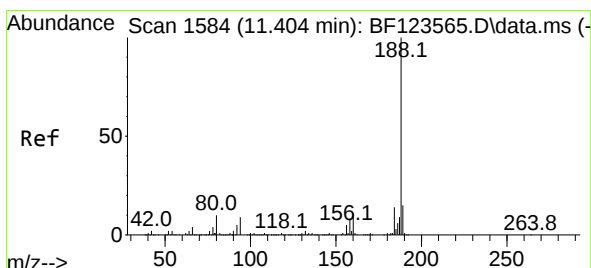
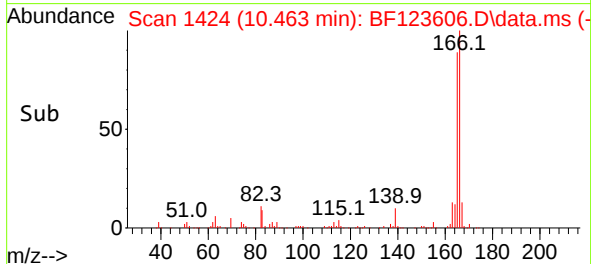
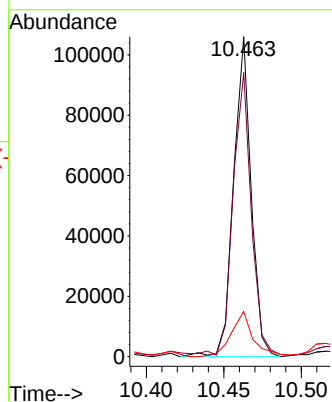
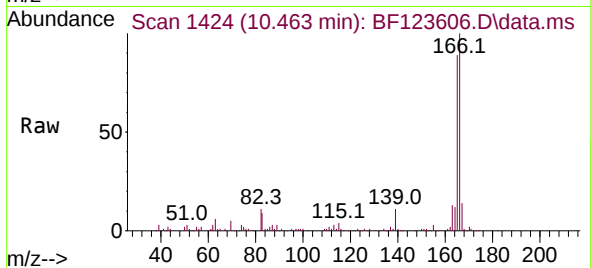




#58
Fluorene
Concen: 2.55 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

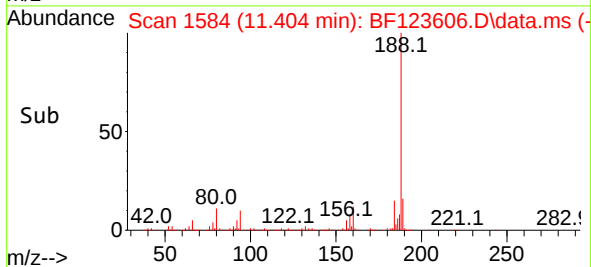
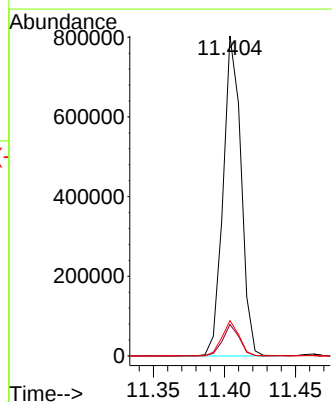
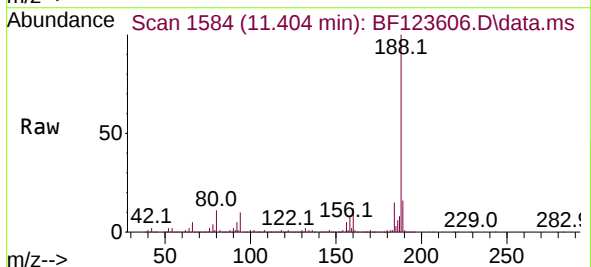
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

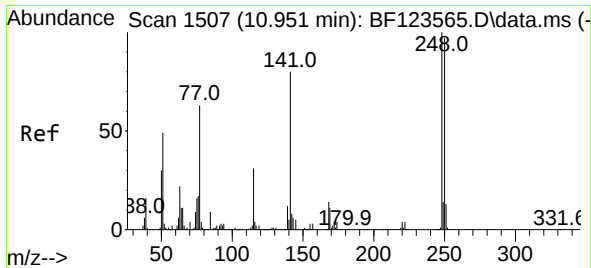
Tgt Ion:166 Resp: 83760
Ion Ratio Lower Upper
166 100
165 88.8 73.5 110.3
167 14.1 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:188 Resp: 702969
Ion Ratio Lower Upper
188 100
94 9.9 6.9 10.3
80 11.0 8.2 12.2

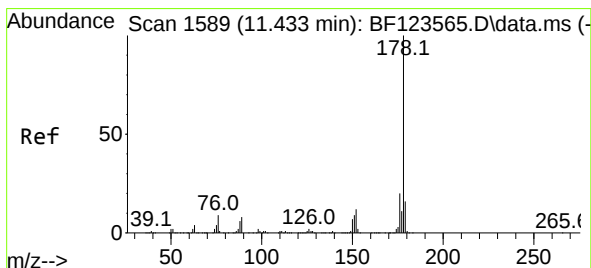
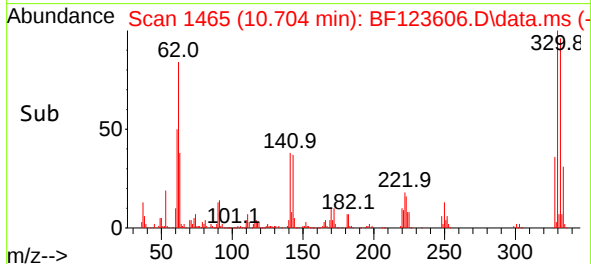
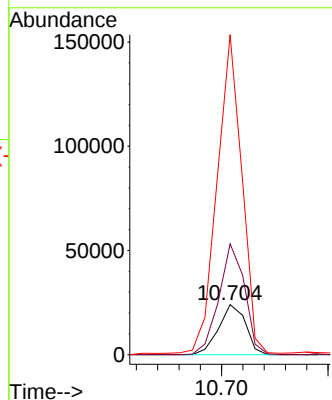
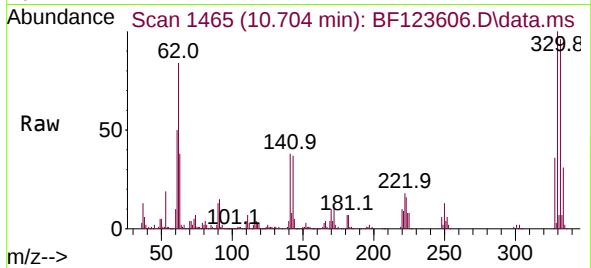




#67
4-Bromophenyl-phenylether
Concen: 2.88 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

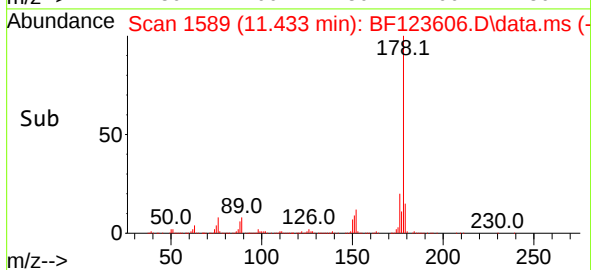
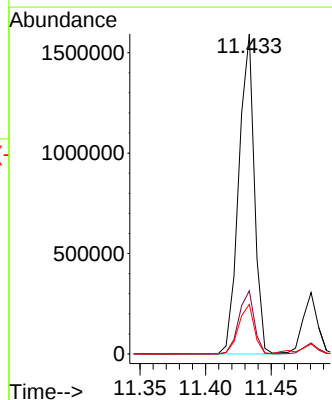
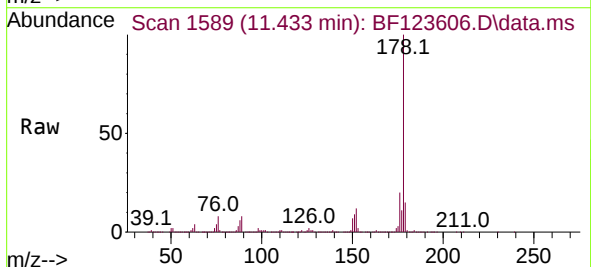
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

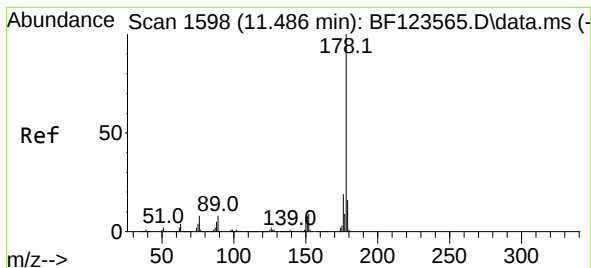
Tgt Ion:248 Resp: 21133
Ion Ratio Lower Upper
248 100
250 221.3 77.4 116.2#
141 638.2 63.7 95.5#



#71
Phenanthrene
Concen: 35.92 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:178 Resp: 1317958
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.5 18.7





#72

Anthracene

Concen: 6.32 ng

RT: 11.480 min Scan# 1597

Delta R.T. -0.006 min

Lab File: BF123606.D

Acq: 16 Apr 2021 22:54

Tgt Ion:178 Resp: 231622

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

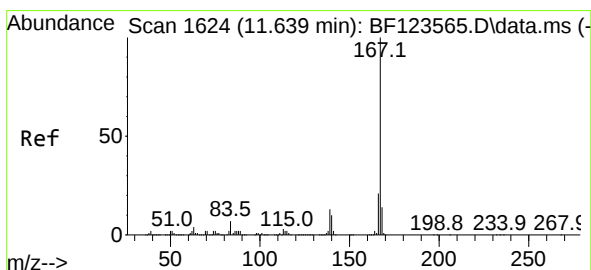
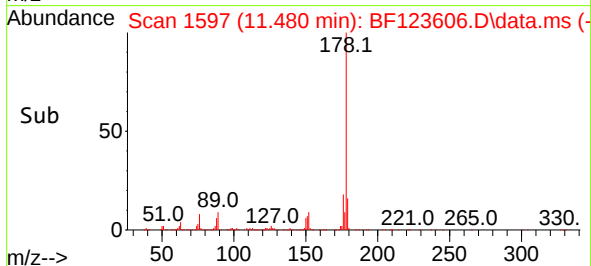
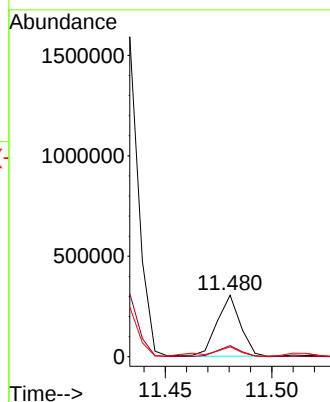
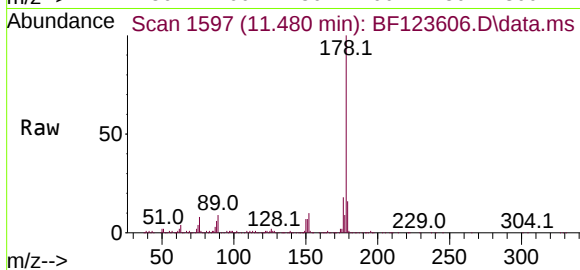
179 16.2 12.6 18.8

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0



#73

Carbazole

Concen: 2.44 ng

RT: 11.633 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BF123606.D

Acq: 16 Apr 2021 22:54

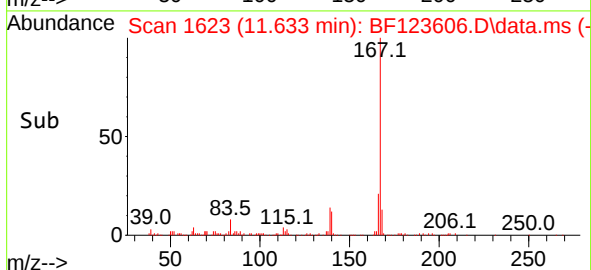
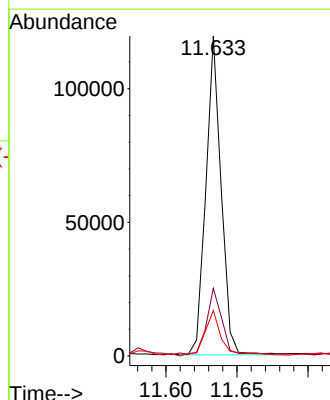
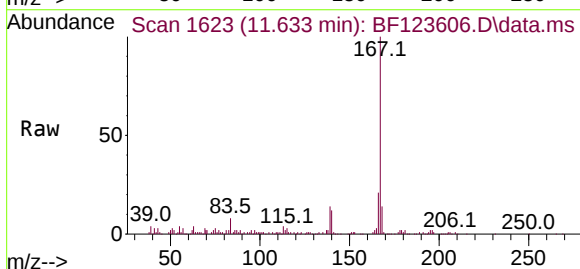
Tgt Ion:167 Resp: 89182

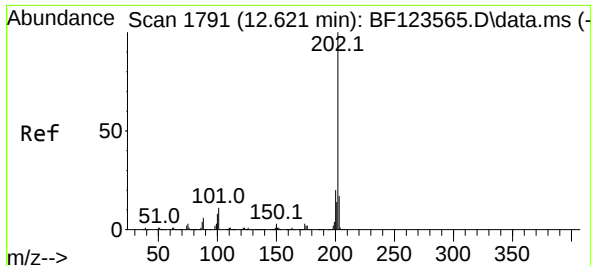
Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

139 14.2 10.4 15.6

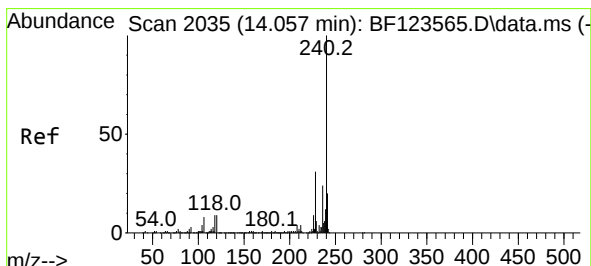
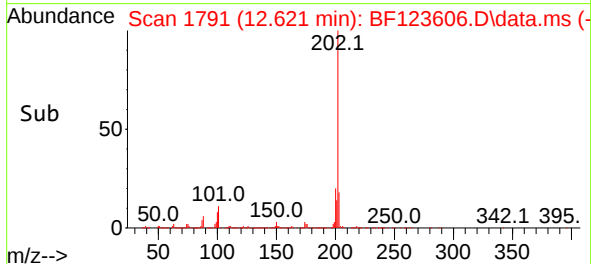
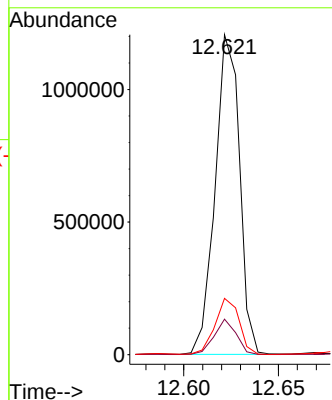
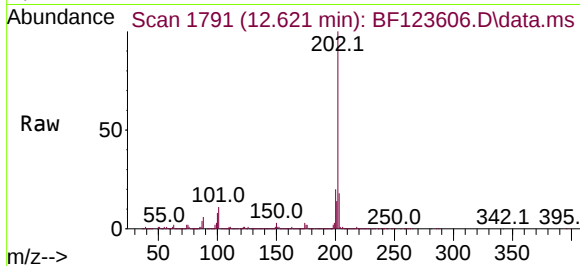




#75
Fluoranthene
Concen: 26.80 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

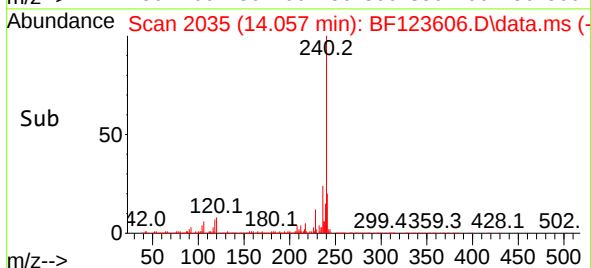
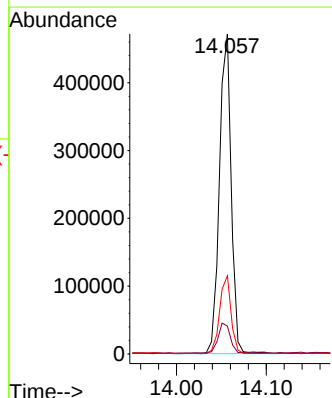
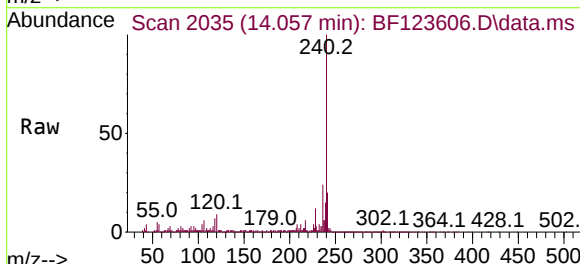
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

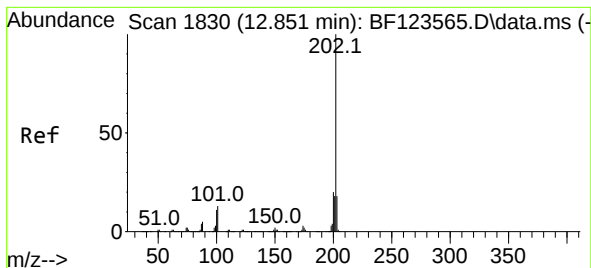
Tgt Ion:202 Resp: 1080457
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:240 Resp: 428432
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 24.5 19.0 28.4





#78

Pyrene

Concen: 35.04 ng

RT: 12.851 min Scan# 1830

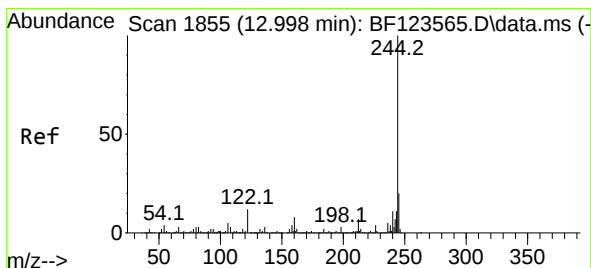
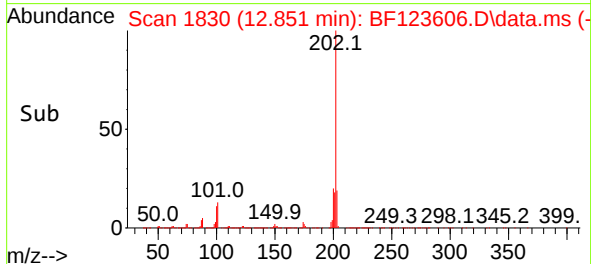
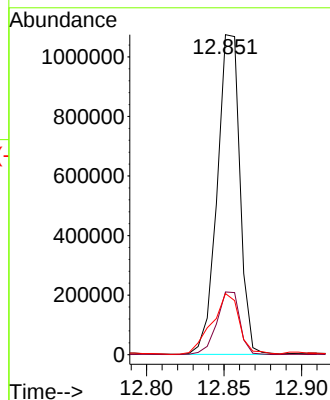
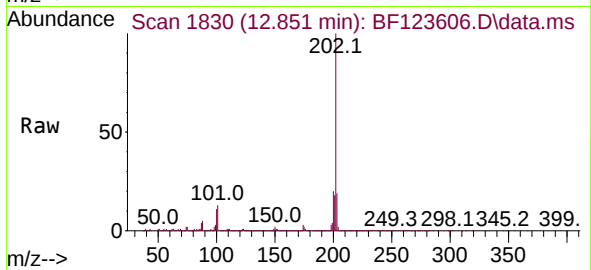
Delta R.T. -0.006 min

Lab File: BF123606.D

Acq: 16 Apr 2021 22:54

Tgt Ion:202 Resp: 1095723

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.1	24.1
203	19.1	14.8	22.2



#79

Terphenyl-d14

Concen: 55.83 ng

RT: 12.998 min Scan# 1855

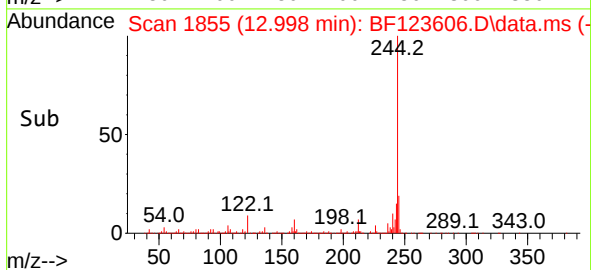
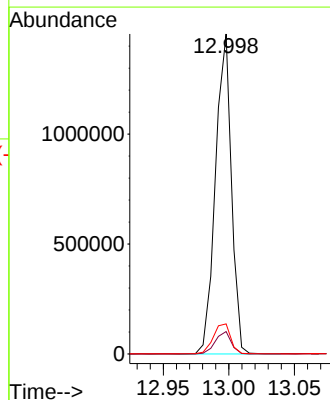
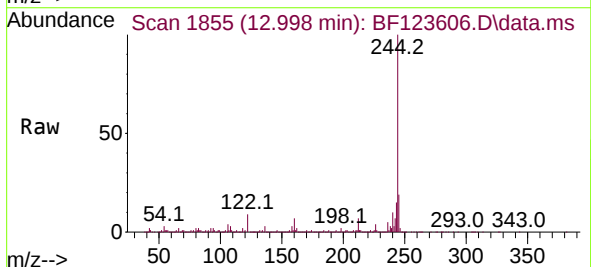
Delta R.T. 0.000 min

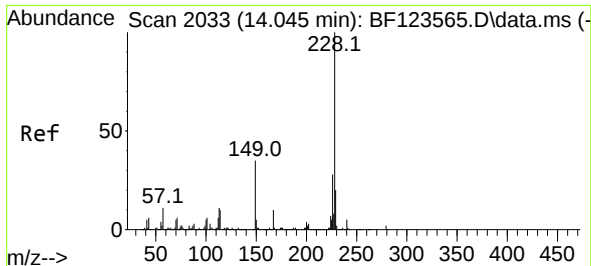
Lab File: BF123606.D

Acq: 16 Apr 2021 22:54

Tgt Ion:244 Resp: 1230694

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.4	9.7	14.5#

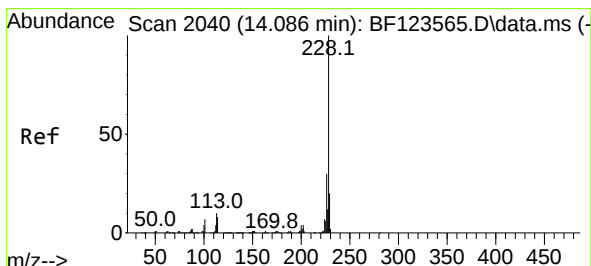
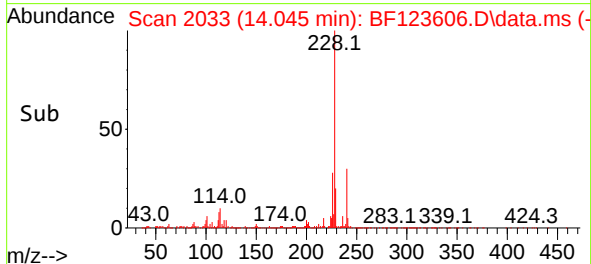
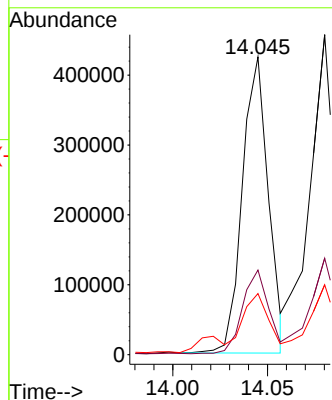
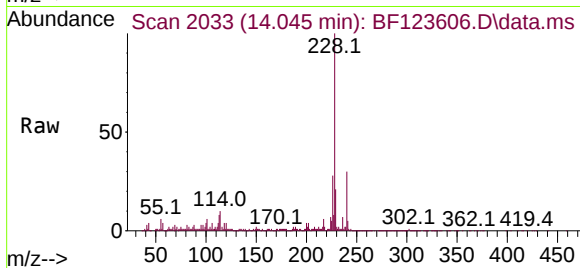




#81
Benzo(a)anthracene
Concen: 15.41 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

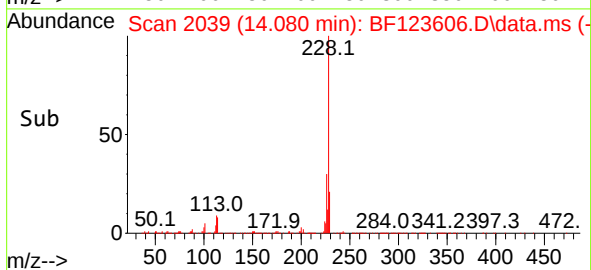
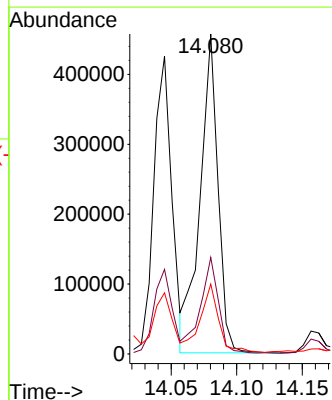
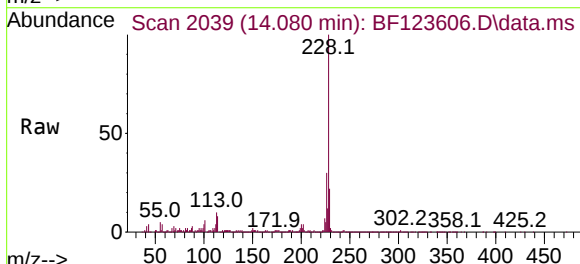
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

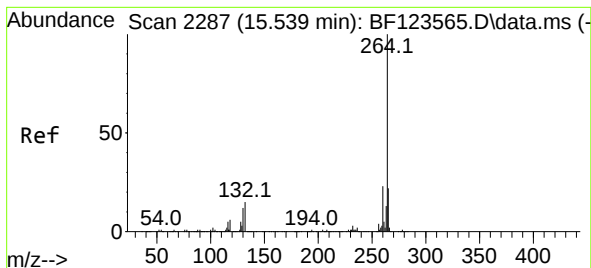
Tgt Ion:228 Resp: 404592
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 20.5 16.0 24.0



#83
Chrysene
Concen: 16.53 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:228 Resp: 435792
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.9 16.2 24.2

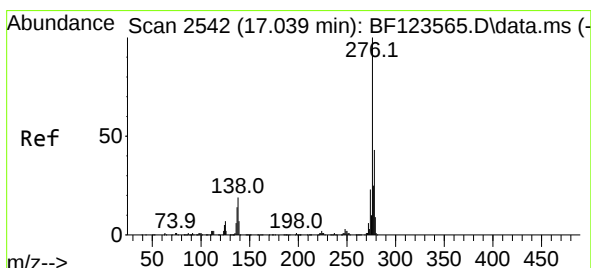
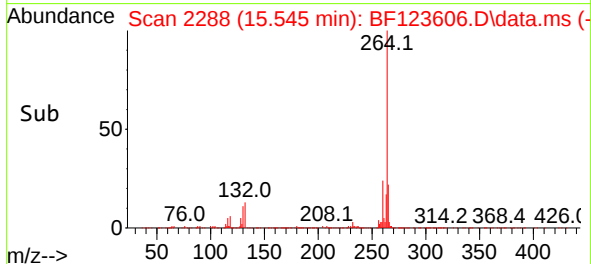
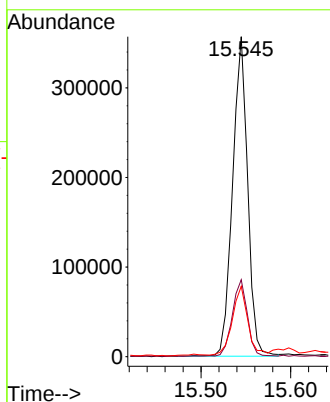
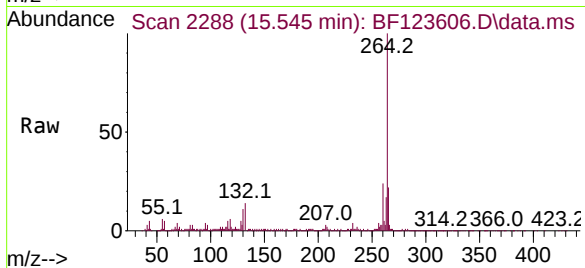




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

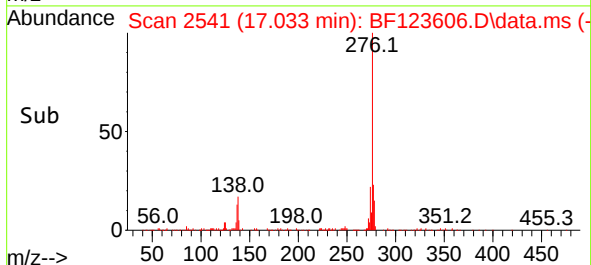
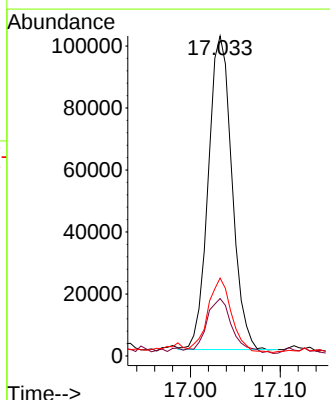
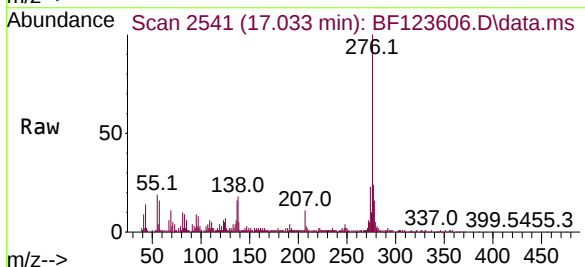
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

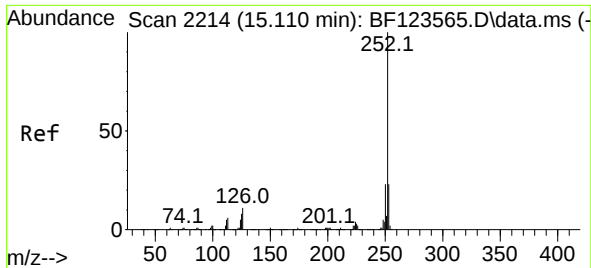
Tgt Ion:264 Resp: 415440
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.0 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.36 ng
RT: 17.033 min Scan# 2541
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:276 Resp: 185282
Ion Ratio Lower Upper
276 100
138 19.3 16.2 24.2
277 23.8 20.1 30.1

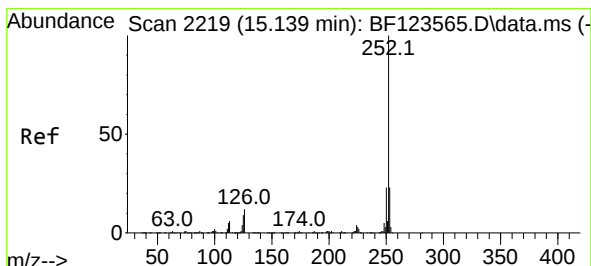
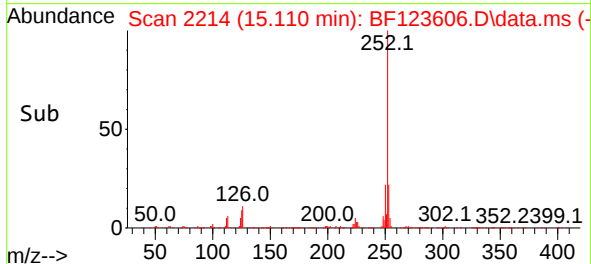
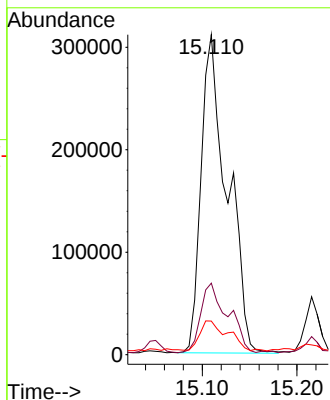
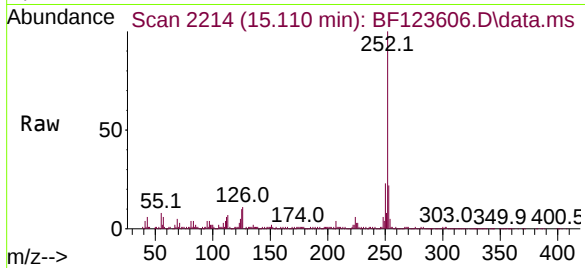




#88
Benzo(b)fluoranthene
Concen: 20.35 ng
RT: 15.110 min Scan# 2214
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

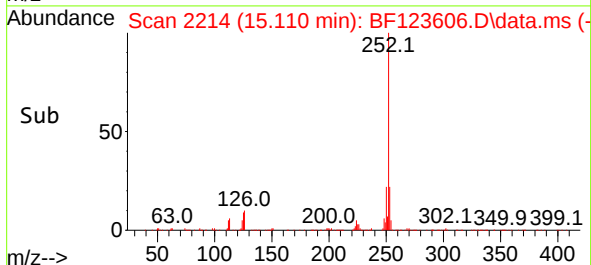
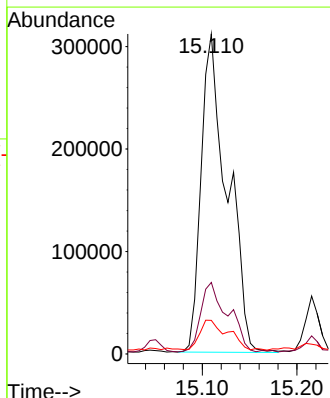
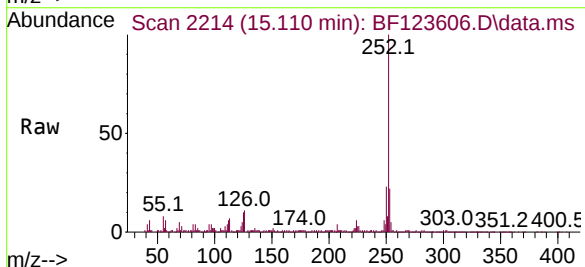
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

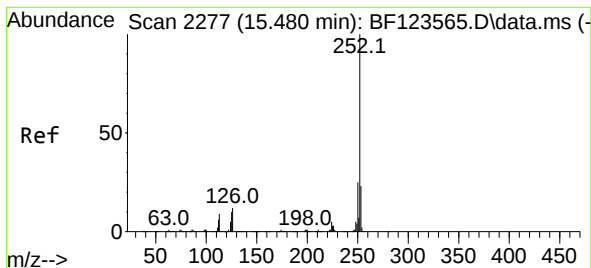
Tgt Ion:252 Resp: 596876
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 10.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 21.90 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.029 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:252 Resp: 596876
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.5 7.0 10.6

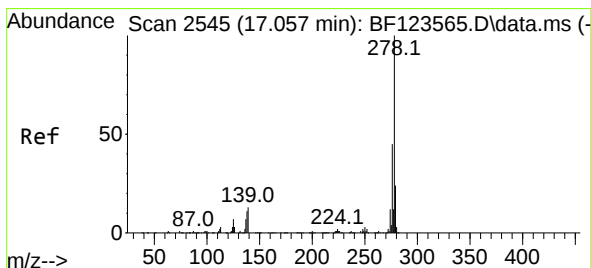
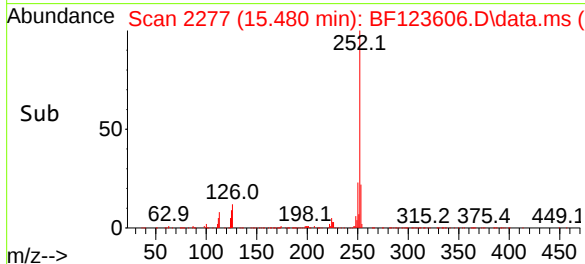
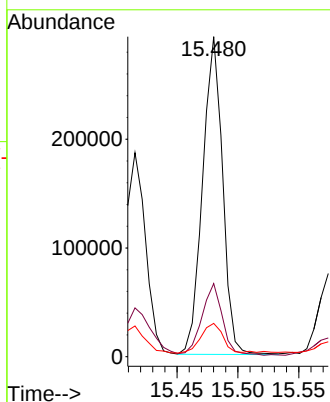
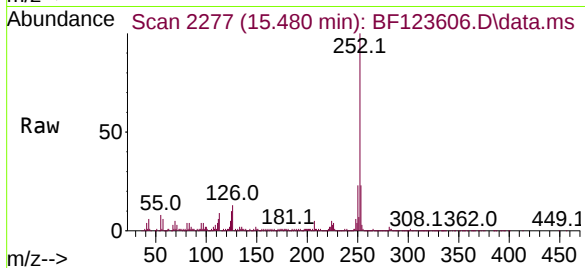




#90
Benzo(a)pyrene
Concen: 14.32 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

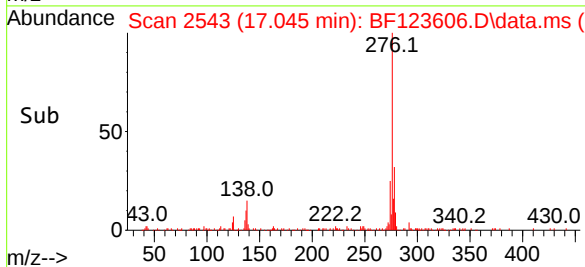
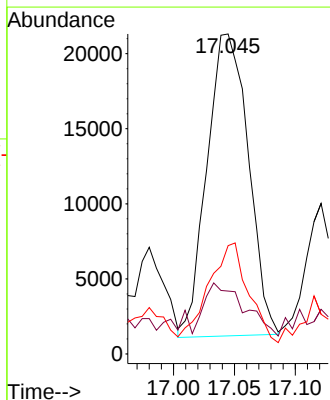
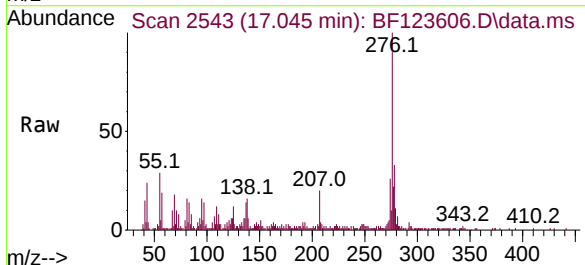
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

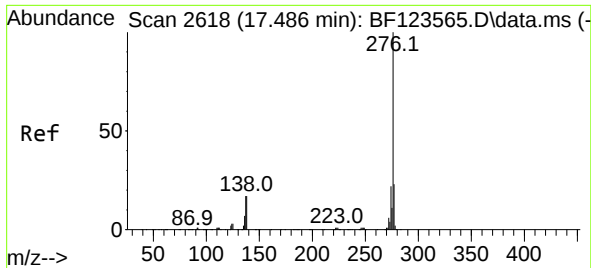
Tgt Ion:252 Resp: 334206
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 10.4 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 2.53 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.012 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Tgt Ion:278 Resp: 47487
Ion Ratio Lower Upper
278 100
139 19.6 10.2 15.2#
279 33.9 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 12.03 ng
RT: 17.480 min Scan# 2617
Delta R.T. -0.006 min
Lab File: BF123606.D
Acq: 16 Apr 2021 22:54

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

Tgt Ion:276 Resp: 183471
Ion Ratio Lower Upper
276 100
277 22.3 18.2 27.2
138 19.8 13.8 20.6

